

NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) _____ are:

A. _____ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
 B. _____ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. <input type="checkbox"/> Color drawing are not acceptable until petition is granted. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Pencil and non black ink is not permitted. Fig.(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b) <input type="checkbox"/> Photographs are not acceptable until petition is granted. <input type="checkbox"/> 3 full-tone sets are required. Fig.(s) _____ <input type="checkbox"/> Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig.(s) _____ <input type="checkbox"/> Poor quality (half-tone). Fig.(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c) <input type="checkbox"/> Paper not flexible, strong, white and durable. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin) <input type="checkbox"/> Mylar, vellum paper is not acceptable (too thin). <input type="checkbox"/> Fig.(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes: <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) <input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <input type="checkbox"/> All drawings sheets not the same size. <input type="checkbox"/> Sheet(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 <input type="checkbox"/> Margins not acceptable. Fig.(s) _____ <input type="checkbox"/> Top (T) _____ Left (L) _____ <input type="checkbox"/> Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. <input type="checkbox"/> Views connected by projection lines or lead lines. <input type="checkbox"/> Fig.(s) _____ Partial views. 37 CFR 1.84(h)(2) <input type="checkbox"/> Brackets needed to show figure as one entity. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Views not labeled separately or properly. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Enlarged view not labeled separately or properly. <input type="checkbox"/> Fig.(s) _____</p>	<p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) <input type="checkbox"/> Hatching not indicated for sectional portions of an object. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig.(s) _____</p> <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig.(s) _____ <input type="checkbox"/> Views not on the same plane on drawing sheet. Fig.(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k) <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. <input type="checkbox"/> Fig.(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l) <input type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality). <input type="checkbox"/> Fig.(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m) <input type="checkbox"/> Solid black areas pale. Fig.(s) _____ <input type="checkbox"/> Solid black shading not permitted. Fig.(s) _____ <input type="checkbox"/> Shade lines, pale, rough and blurred. Fig.(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) <input type="checkbox"/> Numbers and reference characters not plain and legible. <input type="checkbox"/> Fig.(s) _____ <input type="checkbox"/> Figure legends are poor. Fig.(s) _____ <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig.(s) _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(3) Fig.(s) _____ <input type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q) <input type="checkbox"/> Lead lines cross each other. Fig.(s) _____ <input type="checkbox"/> Lead lines missing. Fig.(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t) <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig.(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u) <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w) <input type="checkbox"/> Corrections not made from PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152 <input type="checkbox"/> Surface shading shown not appropriate. Fig.(s) _____ <input type="checkbox"/> Solid black shading not used for color contrast. <input type="checkbox"/> Fig.(s) _____</p>
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COMMENTS

REVIEWER _____ DATE _____ TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. 7

PTO COPY

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. I is changed to Fig. IA, Fig. IB, Fig. IC, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities—37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any); and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 9/16/97 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink: Color: _____	Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
Color drawings are not acceptable, until petition is granted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k)
Pencil and non black ink not permitted. Fig(s) _____	Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84 (b)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i)
1 full-tone set is required. Fig(s) _____	Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____
Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____	11. SHADING. 37 CFR 1.84(m)
Poor quality (half-tone). Fig(s) _____	Solid black areas pale. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)	Solid black shading not permitted. Fig(s) _____
Paper not flexible, strong, white, and durable. Fig(s) _____	Shade lines, pale, rough and blurred. Fig(s) _____
Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
Mylar, velum paper is not acceptable (too thin). Fig(s) _____	Numbers and reference characters not plain and legible. Fig(s) <u>3-7</u> Figure legends are poor. Fig(s) <u>1-7</u>
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (8 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) _____	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1). Fig(s) _____
Drawings sheets not an acceptable size. Fig(s) _____	English alphabet not used. 37 CFR 1.84(p)(2) Figs _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) <u>3</u>	Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
6. VIEWS. 37 CFR 1.84(h)	13. LEAD LINES. 37 CFR 1.84(q)
REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2)	Lead lines cross each other. Fig(s) _____
Brackets needed to show figure as one entity. Fig(s) _____	Lead lines missing. Fig(s) _____
Views not labeled separately or properly. Fig(s) _____	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
Enlarged view not labeled separately or properly. Fig(s) _____	Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Hatching not indicated for sectional portions of an object. Fig(s) _____	Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	16. CORRECTIONS. 37 CFR 1.84(w)
	Corrections not made from prior PTO-948 dated _____
	17. DESIGN DRAWINGS. 37 CFR 1.152
	Surface shading shown not appropriate. Fig(s) _____
	Solid black shading not used for color contrast. Fig(s) _____

COMMENTS

REVIEWER JLDATE 10-17-00 TELEPHONE NO. 703-305-8470

ATTACHMENT TO PAPER NO. _____

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

2. Timing for Corrections

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3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.